

CLAIMS:

SUB A

1. Antibodies which are antibodies to ribosomal protein of microorganisms, and which react specifically with said microorganisms.

5 2. The antibodies according to claim 1, where the ribosomal protein of the microorganisms is ribosomal protein L7/L12.

3. The antibodies according to claim 1 or 2, where said microorganisms are microorganisms which

10 cause a sexually transmitted disease (STD).

4. The antibodies according to claim 1 or 2, where said microorganisms are microorganisms which cause respiratory tract infection.

5. The antibody according to claim 4, where the

15 causative microorganisms of respiratory tract infection are microorganisms of *Haemophilus influenzae*.

6. The antibody according to claim 4, where the causative microorganisms of respiratory tract

20 infection are microorganisms of *Streptococcus pneumoniae*.

7. The antibody according to claim 3, where the causative microorganisms of sexually transmitted diseases (STD) are microorganisms of *Neisseria gonorrhoeae*.

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8. The antibody according to claim 7, which is the antibody to ribosomal protein L7/L12 of *Neisseria*

gonorrhoeae and which recognizes a continuous amino acid sequence moiety from 5 to 30 amino acids including the 115th alanine in the amino acid sequence of Sequence ID No. 22 of the Sequence Table.

5 9. A method of detecting microorganisms, which is characterized by the fact that antibody to intracellular molecules that have the same function for a variety of microorganisms is used.

10 10. A method of detecting microorganisms, which is characterized by the fact that any antibody according to claims 1 to 8 is used.

15 11. A reagent kit for detecting microorganisms, which is characterized by the fact that antibody to intracellular molecules that have the same function for a variety of microorganisms is used.

12. A reagent kit for detecting microorganisms, which is characterized by the fact that any antibody according to claims 1 to 8 is used.

20 13. A method of preparing any antibody described in any one of claims 1 to 8, characterized by the fact that ribosomal protein L7/L12 of microorganisms obtained by a gene manipulation procedure or by isolation from microorganisms, peptide moiety thereof, or a synthesized peptide corresponding to
25 the peptide moiety is used as an immunogen.